Check Valves VA Specifications — Chilled Water — Hydronic Piping — 232113 Steam and Condensate— 232213 Туре Size Connection 2" N.P.T. Swing |CKV-1| Condensate Screwed

				Valves VA Specificat Chilled Water Steam and C	tions — r — Hydronic Condensate—	Piping – 23 232213	2113
Size	Service	Valve Type	Rating	Connections	Body Material	Seats/ Seals	Remarks
1/2"	Chilled Water	Ball	600# WOG	N.P.T.	Bronze	RPTFE	Vent/Drain Valves
1/2"	Chilled Water	Ball	600# WOG	N.P.T.	Bronze	RPTFE	PI Valves
3"	Hot Water heating	Gate	300# WOG	flanged	Bronze	Stainless Steel	Isolation Valves
3"	Chilled Water	Gate	300# WOG	flanged	Bronze	Stainless Steel	Isolation Valves
3/4"	Chilled Water	Gate	300# WOG	N.P.T.	Bronze	Stainless Steel	DRAIN Valves
1 1/4"	Condensate	Gate	300# WOG	N.P.T.	Bronze	Stainless Steel	Isolation Valves
1"	Chilled Water	Ball	300# WOG	N.P.T.	Bronze	RPTFE	Isolation Valves
2 1/2"	Clean Steam	Gate	300# WOG	N.P.T.	Bronze	Stainless Steel	Isolation Valves
4"	Clean Steam	Gate	300# WOG	flanged	Bronze	Stainless Steel	Isolation Valves

Note: All valves to have the capability to be locked.

				VA S	diners specifications — m and Conden		3			
Strainer No.	Qty.	Size	Service	Туре	Connection	Screen Perforation Size (in.)	Body Material	Screen Material	Blow-off Valve	Manufacturer
ST-1	1	2 1/2"	Chilled Water	Y—Type With Basket Strainer	flanged	0.0625	Cast Iron ASTM A 126 B	Stainless Steel 18—8	1/4" NPT Ball Valve	Mueller Series #752 or Approved Equal
ST-2	2	1 1/4"	Condensate	Y—Type With Basket Strainer	N.P.T.	0.033	Bronze ASTM B62	Stainless Steel ASTM A240	1/4" NPT Ball Valve	Mueller Series #351M or Approved Equal
ST-3	1	3"	HOT WATER HEATING	Y—Type With Basket Strainer	flanged	0.033	Bronze ASTM B62	Stainless Steel ASTM A240	1/4" NPT Ball Valve	Mueller Series #351M or Approved Equal
ST-4 ST-5	1	1" 1 1/2"	STEAM	Y—Type With Basket Strainer	N.P.T.	0.033	Bronze ASTM B62	Stainless Steel ASTM A240	1/4" NPT Ball Valve	Mueller Series #351M or Approved Equal

	VA S Chille	Ven† Specifications — ed Water — Hydr m and Condensa	onic Pip te- 232	ing - 23211 2213	3	Va	ıcuum Bre	aker		
Max Pressure	Туре	Location	М	anufacturer		VA Specifications — Chilled Water — Hydronic Piping — 232113 Steam and Condensate— 232213				
250#	Balanced Pressure Thermostatic Air Vent	Chilled Water Return at AHU-58 & 59	Spirax-Sarco Model VS204 or Approved Equal			Max Pressure	Location	on	Мс	nufacturer
250#	Balanced Pressure Thermostatic Air Vent	HOT WATER HEATING VAV AND RHP	Spirax—Sarco Model VS204 or Approved Equal			210#		to HX-3 and HX-4 Model		Armstrong odel TAVB oproved Equal
15#	Thermostatic Air VENT	HOT WATER HEATING	ARMSTRONG THRUSH Model 720 or Approved Equal						Of Ap	pproved Equal
			Chilled	ecifications — Water — Hy and Condens	dronic l	Piping — 2 232213	32113			
Service	Туре	Connection	Range	Figure Intervals	Grad. Marks	Case Material	Dial Size	Tube Type		
										†

NOTES:
1. INSTALLATION CONTRACTOR SHALL PROCURE,
CONSTRUCT AND COMMISSION AND INSTALL
REQUIRED ADDITIONAL AUXILIARIES THAT ARE NOT
LISTED HERE AND FOLLOW MANUFACTURERS
RECOMMENDATIONS FOR A FULLY FUNCTIONAL
SYSTEM.
A AANTENATAR AHALL NAALURE THE AERIMAEA AE

2. CONTRACTOR SHALL ACQUIRE THE SERVICES OF A MANUFACTURER REPRESENTATIVE TO VERIFY THE COMPLETENESS OF THE LISTED EQUIPMENT WITH REQUIRED AUXILIARIES.

			Steam	and Conden				
Service	Туре	Connection	Range	Figure Intervals	Grad. Marks	Case Material	Dial Size	Tube Type
Chilled Water	General service pressure gauge— grade 2A	1/2" N.P.T. male-bottom brass	0-100 PSI	10PSI	1PSI	Aluminum	4 1/2"	Bronze Bourdon
Hot Water	General service pressure gauge- grade 2A	1/2" N.P.T. male-bottom brass	0-100 PSI	10PSI	2PSI	Aluminum	6"	Bronze Bourdon
Steam	Corrosive service pressure gauge— grade 2A	1/2" N.P.T. male-bottom type 316 S.S.	0-60 0-100 0-150 PSI	10PSI	2PSI	Stainless Steel	4 1/2"	Type 316 Stainless Steel Bourdon tube
Chilled Water	Thermometer general service	1/2" N.P.T. male-bottom Brass	0- 100°F	5 Degrees	2 Degrees	Aluminum	6"	Mercury Liquid—filled type

BIDDING DOCUMENTS FULLY SPRINKLERED

03/27/2013 BIDDING DOCUMENTS

VA FORM 08-6231

VA Northern Indiana CONSULTANTS: Health Care System, USFin Development, LLC Fort Wayne 2121 Lake Ave., Fort Wayne IN 46805

1105 West Weir Street Litchfield, Illinois 62056 Viridian Architectural Design, Inc. 2020 East Washington Blvd., Suite 200 Fort Wayne, Indiana 46803



ARCHITECT/ENGINEER	S:	A
AMERICAN		N S
STRUCTUREPOINT INC.	Engineering Corporation	A
7260 SHADELAND STATION INDIANAPOLIS, IN 46256-3957 TEL 317.547.5580 FAX 317.543.0270	The Fairmont Building 9245 Calumet Ave. Suite 205, Munster, IN 46321	N

Approved: Medical Center Director	Drawing Title	
NAME:	MECHANICAL SCHEDULES SHEET 4 OF 4	
SIGNATURE:		
Approved: Medical Center Associate Director	Approved: Engineering Service	
	NAME:	SIGNATURE
NAME:	Approved: Project Director	
SIGNATURE:	NAME:	SIGNATURI

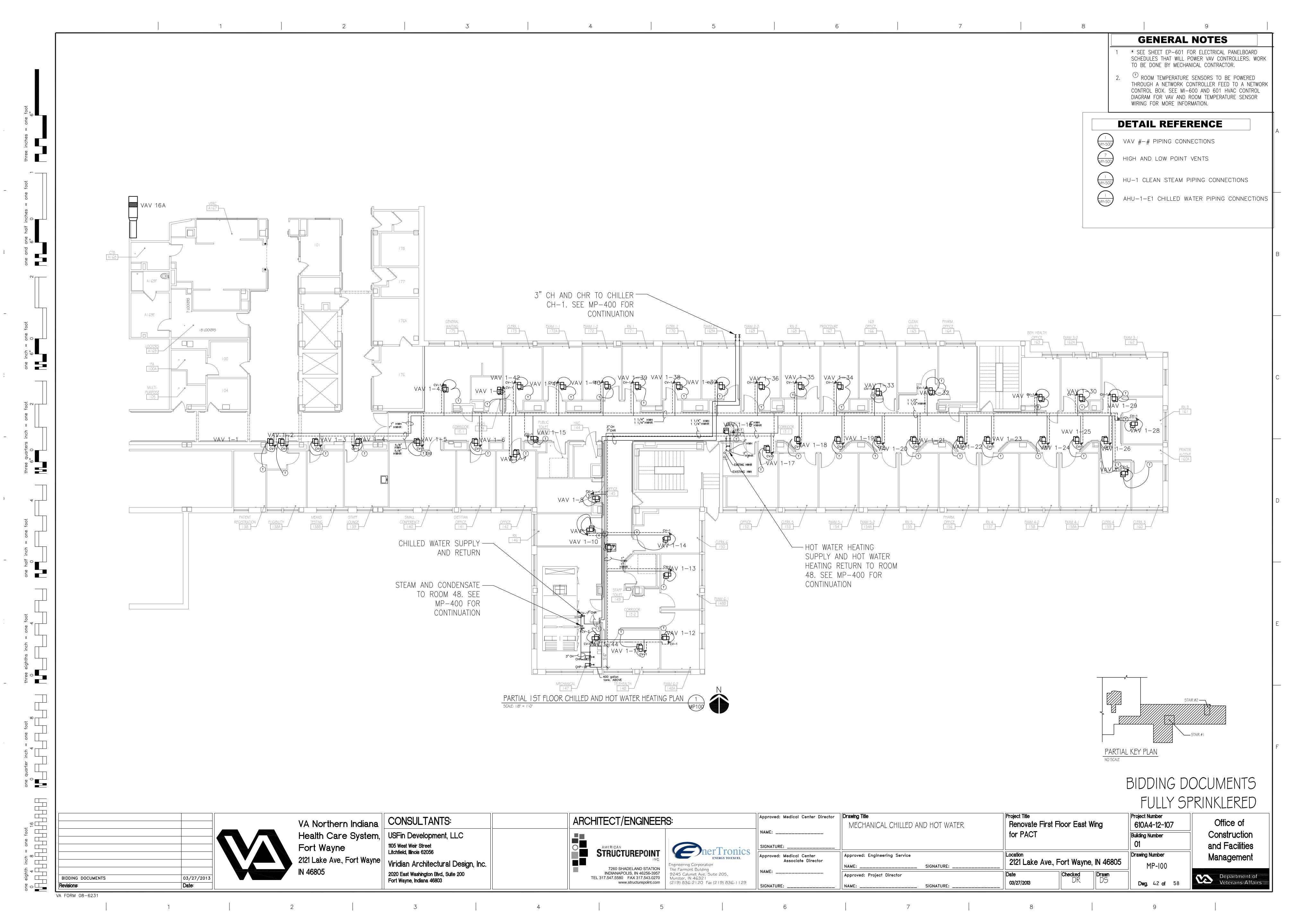
Project Title Renovate First Floor East Wing for PACT
Location 2121 Lake Ave., Fort Wayne, IN 46805

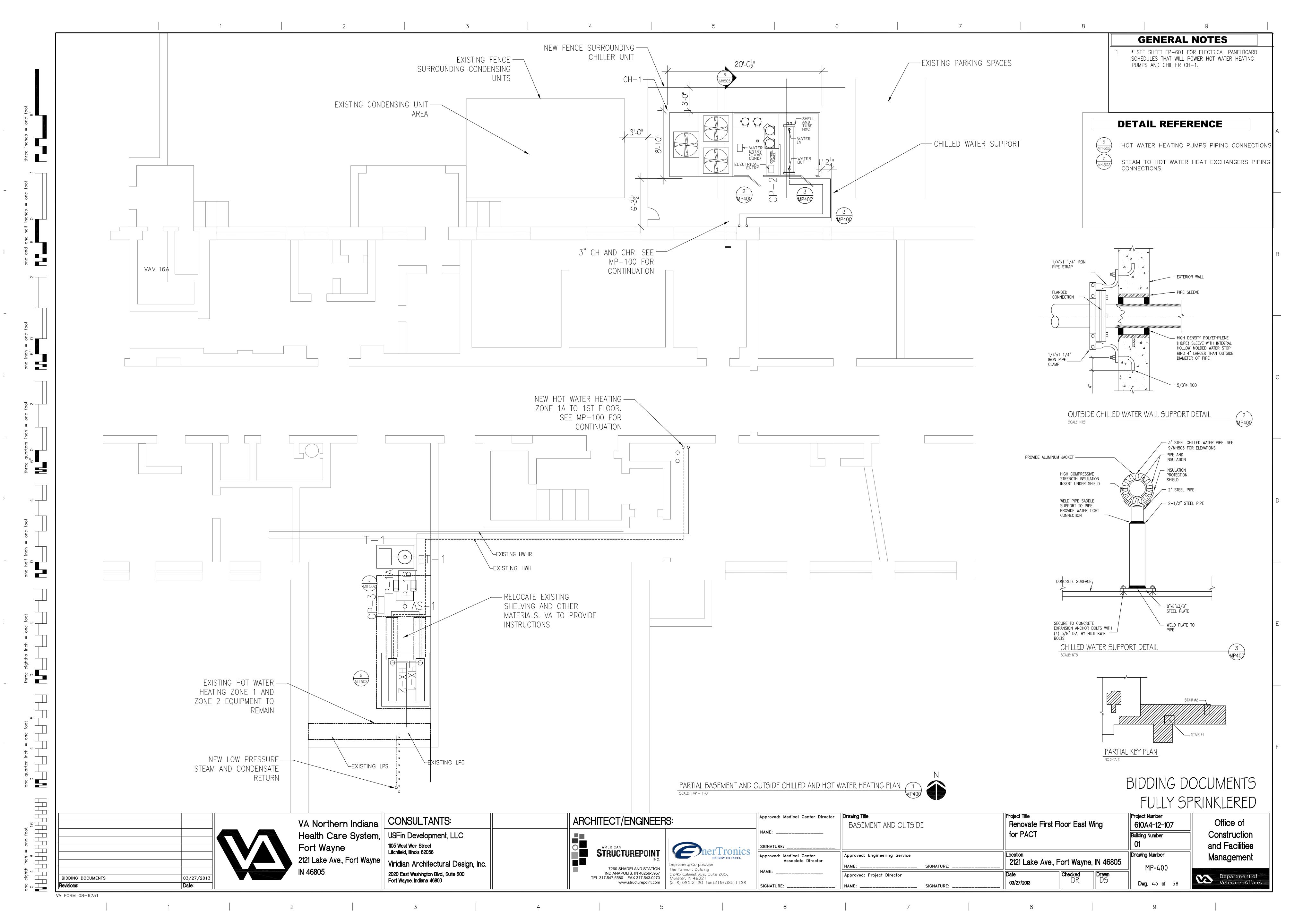
Checked DR

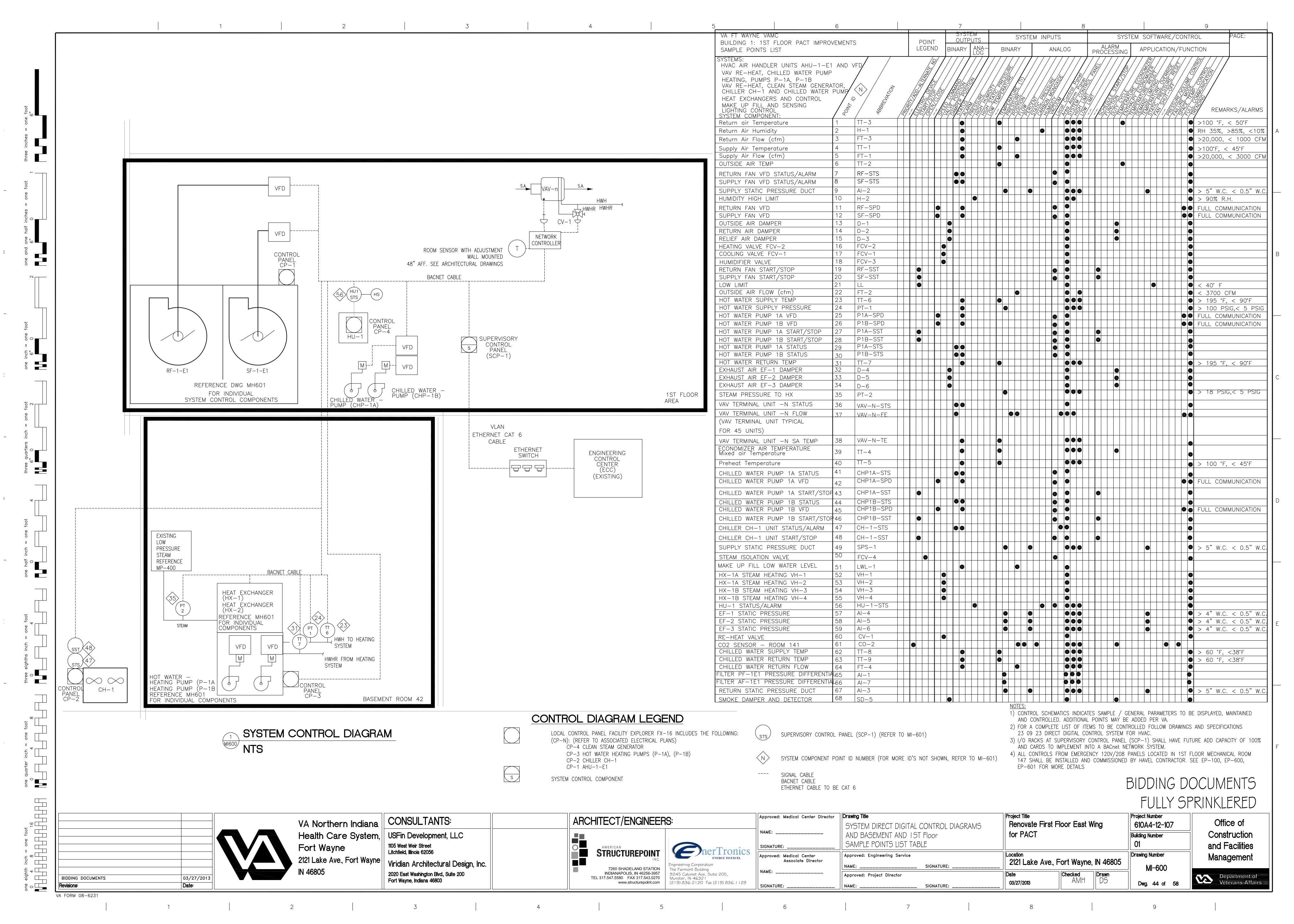
	Project Number
	Project Number 610A4-12-107
	Building Number
	01
	Drawing Number
5	NAL 005
	MH-605

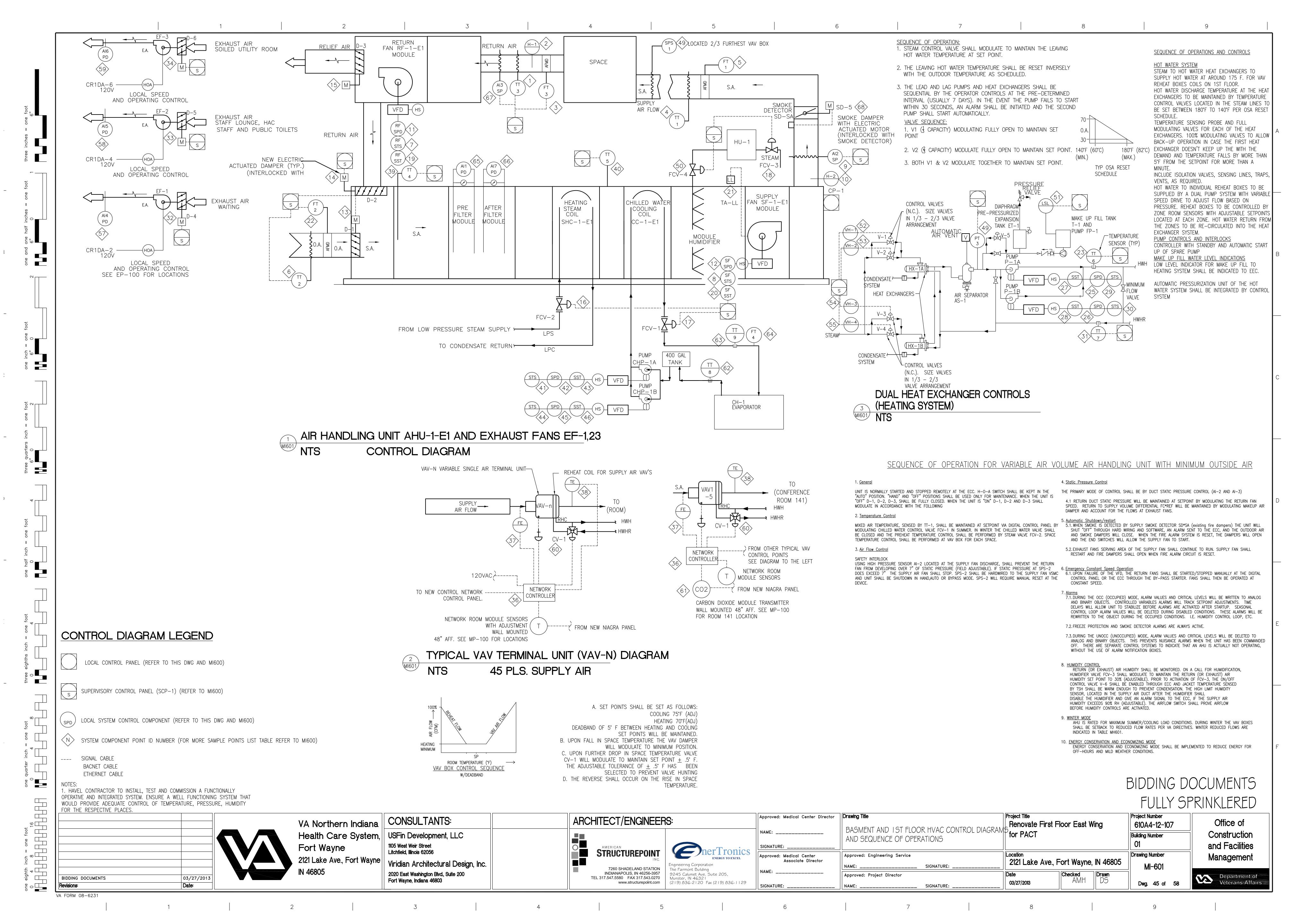
Office of Construction and Facilities Management

Department of Veterans Affairs









GENERAL NOTES . VERIFY EXISTING CONDITIONS AND EXACT REQUIREMENTS IN FIELD. PROVIDE ALL LABOR AND MATERIAL AS REQUIRED TO ACCOMPLISH THE INTENT AS DEPICTED AND NOTED. 2. FOR EXISTING PANELBOARD LOCATIONS FOR 480v AND 120V, SEE MD-100 <u>LEGEND</u> TEXT LINETYPE EXISTING ELECTRICAL INSTALLATION TO REMAIN XXXX EXISTING ELECTRICAL INSTALLATION TO BE REMOVED OR REPLACED NEW ELECTRICAL 480V CONDUIT AND CABLE __ L___*_33___ | NEW ELECTRICAL 120V CONDUIT AND CABLE +PANEL LP-(1A OR 1B), CR(1A) 120/208V - C/B DESIGNATION PANEL 1-HE1 - 277/480v - C/B DESINATION EXISTING EXISTING NON-FUSED DISCONNECT SWITCH NORMAL NORMAL POWER POWER LOW JUNCTION BOX LOW VOLTAGE VOLTAGE LP-3B,4B, MANUAL-ON/OFF-AUTOMATIC LP-3A 4BA 2ND FLOOR DECK CORRIDOR PROPOSED CEILING ELEVATION 8'-2" \times \times \times * EXISTING ** EXISTING ** EXISTING EXISTING EXISTING EXISTING NORMAL POWER NORMAL POWER NORMAL POWER POWER HIGH **EMERGENCY EMERGENCY EMERGENCY** POWER LOW POWER LOW POWER HIGH ** VOLTAGE 1-H1 * × LP-1B ₩ PP-IRM VOLTAGE EM-1 VOLTAGE CR-1 VOLTAGE 1-H2 ↓ LP-1A TO BE TO REMAIN TO REMAIN TO REMAIN TO BE * RELOCATED * RELOCATED $X \times X \times X$ EXISTING NORMAL TO REMAIN SWITCHBOARD, SWITCHBOARD, 480/277V TO REMAIN TO REMAIN JB JB X < 480/277V CIRCUIT 3 FIRST FLOOR ELEVATION CIRĆUIT 3 MECHANICAL ELECTRICAL ROOM 42 ROOM 48 EXISTING EMERGENCY CRP PANEL 120/208V 3PH, 4 EXISTING EMERGENCY EMP PANEL EXISTING **EXISTING** EXISTING 120/208V 3PH, 4 W, LOADS LOADS LOADS SPACE NORMAL POWER LOW VOLTAGE DISTRIBUTION | 1-4 | 5 | 6 | / | 8 | 9 | 10 | . . | | PANEL <u>DP-4</u> 600A MLO 🗘 225A MLO 📮 DEMOLITION ONE LINE DIAGRAM/ RISER DIAGRAM - 120/208V EMERGENCY NOT TO SCALE BIDDING DOCUMENTS FULLY SPRINKLERED Project Title
Renovate First Floor East Wing VA Northern Indiana CONSULTANTS: Drawing Title Approved: Medical Center Director ARCHITECT/ENGINEERS: Office of 610A4-12-107 ELECTRICAL POWER ONE LINE SCHEMATIC RISER DIAGRAM Construction for PACT Health Care System, USFin Development, LLC Building Number DEMOLITION and Facilities 1105 West Weir Street Fort Wayne STRUCTUREPOINT SIGNATURE: Location 2121 Lake Ave., Fort Wayne, IN 46805 Drawing Number Approved: Engineering Service Management Approved: Medical Center 2121 Lake Ave., Fort Wayne Associate Director hitectural Design, Inc. SIGNATURE: ED-600 7260 SHADELAND STATION IN 46805 The Fairmont Building 2020 East Washington Blvd., Suite 200 Fort Wayne, Indiana 46803 INDIANAPOLIS, IN 46256-3957 TEL 317.547.5580 FAX 317.543.0270 Checked 9245 Calumet Ave. Suite 205, Department of Veterans Affairs Approved: Project Director 03/27/2013 BIDDING DOCUMENTS Munster, IN 46321 (219) 836-2120 Fax (219) 836-1129 03/27/2013 Dwg. 46 of 58 www.structurepoint.com SIGNATURE: NAME: _____ SIGNATURE: VA FORM 08-6231

